

## APPENDIX E

## Class `HttpsURLConnection`

[illegible]

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+--[java.net.URLStreamHandler](#)|  
+--[com.ibm.speech.net.www.protocol.https.HttpURLConnection](#)**public class [URLConnection](#)**  
extends [java.net.URLStreamHandler](#)

The class [URLConnection](#) provides a stream protocol handler for the [https](#) protocol by implementing SSL (Secure Sockets Layer) 3.0.

In most cases, an instance of a [URLConnection](#) subclass is not created directly by an application. Rather, the first time a protocol name is encountered when constructing a URL, the appropriate stream protocol handler is automatically loaded.

**Constructor Summary****[URLConnection](#)()**Creates a new [URLConnection](#) instance with the default debug flag.**[URLConnection](#)(boolean dbg)**Creates a new [URLConnection](#) instance with a specified debug flag.**Method Summary**[java.net.URLConnection](#)**[openConnection](#)**([java.net.URL](#) u)

Opens a connection to the object referenced by the URL argument.

**Methods inherited from class [java.net.URLStreamHandler](#)**[parseURL](#), [setURL](#), [toExternalForm](#)**Methods inherited from class [java.lang.Object](#)**[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)**Constructor Detail**

## `HttpsURLConnection`

```
public HttpsURLConnection()
```

Creates a new `HttpsURLConnection` instance with the default debug flag.

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## `HttpsURLConnection`

```
public HttpsURLConnection(boolean dbg)
```

Creates a new `HttpsURLConnection` instance with a specified debug flag.

**Parameters:**

dbg - the boolean value of turning the debug option ON/OFF.

## Method Detail

### `openConnection`

```
public java.net.URLConnection openConnection(java.net.URL u)  
throws java.io.IOException
```

Opens a connection to the object referenced by the URL argument.

**Overrides:**

`openConnection` in class `java.net.URLStreamHandler`

**Parameters:**

u - the URL that this connects to.

**Returns:**

a `URLConnection` object for the URL.

**Throws:**

`java.io.IOException` - if an I/O error occurs while opening the connection.

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